

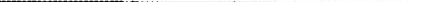


**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/058,684
				Filing Date	January 28, 2002
				First Named Inventor	Baoxin Li
				Art Unit	2173
				Examiner Name	Ting Zhou
Sheet	1	of	3	Attorney Docket Number	KLR 7146.0125

U. S. PATENT DOCUMENTS

Examiner Signature		Date Considered	7/10/06
-----------------------	---	--------------------	---------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
Sheet	2	of	3	Application Number	10/058,684
				Filing Date	January 28, 2002
				First Named Inventor	Baoxin Li
				Art Unit	2173
				Examiner Name	Ting Zhou
				Attorney Docket Number	KLR 7146.0125

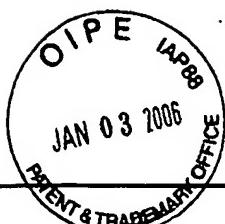
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
T.Z.	AI	CANNY, J., "A Computational Approach to Edge Detection," IEEE Transactions of Pattern Analysis and Machine Intelligence, Vol. PAMI-8, No. 6, November 1986, pages 679-698.			
	AJ	YEO, B-L, et al., "On the Extraction of DC Sequences from MPEG Compressed Video," IEEE 1995, pages 260-263.			
	AK	LIENHART, et al., "Video Abstracting," Communications of the ACM, December 1997, Vol. 40, No. 12, pages 55-62.			
	AL	BABAGUCHI, N., "Towards Abstracting Sports Video by Highlights," 2000 IEEE Conference, pages 1519-1522.			
	AM	KOBLA, et al., "Detection of Slow-Motion Replay Sequences for Identifying Sports Videos," IEEE, September 1999, pages 135-140.			
	AN	GONG, et al., "Automatic Parsing of TV Soccer Programs," IEEE, May 1995, pages 167-174.			
	AO	YEUNG, et al., "Extracting Story Units from Long Programs for Video Browsing and Navigation," IEEE Proceedings of Multimedia '96, 1996, pages 296-305.			
	AP	QIAN, et al., "A Computational Approach to Semantic Event Detection," IEEE, 1999, pages 200-206.			
	AQ	VASCONCELOS, et al., "Bayesian Modeling of Video Editing and Structure: Semantic Features for Video Summarization and Browsing," IEEE, 1998, pages 153-157.			
	AR	SMOLJAR, et al., "Content-Based Video Indexing and Retrieval," IEEE, 1994, pages 62-72.			
	AS	MAYBURY, et al., "Multimedia Summaries of Broadcast News," IEEE, 1997, pages 442-449.			
	AT	YEO, et al., "Retrieving and Visualizing Video," Communications of the ACM, Vol. 40, No. 12, December 1997, pages 43-52.			
	AU	GÜNSEL, et al., "Hierarchical Temporal Segmentation and Content Characterization," SPIE, Vol. 3329, 1997, pages 46-56.			
	AV	DEMENTHON, et al., "Video Summarization by Curve Simplification," ACM Multimedia, 1998, pages 211-218.			
	AW	PONCELEON, et al., "Key to Effective Video Retrieval: Effective Cataloging and Browsing," ACM Multimedia, 1998, pages 99-107.			
	AX	QIAN, et al., "A Robust Real-Time Face Tracking Algorithm," IEEE, 1998, pages 131-135.			
	AY	ZHANG, et al., "Content-Based Video Browsing Tools," SPIE, Vol. 2417, 1995, pages 389-398.			
	AZ	YEUNG, et al., "Video Visualization for Compact-Presentation and Fast Browsing of Pictorial Content," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 7, No. 3, October 1997, pages 771-785.			
	BA	DEL BIMBO, et al., "A Spatial Logic for Symbolic Description of Image Contents," Journal of Visual Languages and Computing, 1994, pages 267-286, Academic Press Limited.			
	BB	COURTNEY, J.B., "Automatic Video Indexing Via Object Motion Analysis," Pattern Recognition, Vol. 30, No. 4, 1997, pages 607-625, Elsevier Science, Ltd.			
T.Z.	BC	AKSOY, et al., "Textural Features for Image Database Retrieval," Intelligent Systems Laboratory, Department of Electrical Engineering, University of Washington, at least one year prior to filing date, pages 1-5.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
Sheet	3	of	3	Application Number	10/058,684
				Filing Date	January 28, 2002
				First Named Inventor	Baoxin Li
				Art Unit	2173
				Examiner Name	Ting Zhou
				Attorney Docket Number	KLR 7146.0125

T.Z.	BD	IYENGAR, et al., "Models for Automatic Classification of Video Sequences," SPIE, Vol. 3312, 1997, pages 216-227.
	BE	MANJUNATH, et al., "Texture Features for Browsing a Retrieval of Image Data," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 18, No. 8, August 1996, pages 837-842.
	BF	CHAUDHURI, et al., "Improved Fractal Geometry Based Texture Segmentation Technique," IEE Proceedings-E, Vol. 140, No. 5, September 1993, pages 233-241.
	BG	ARMAN, et al., "Content-Based Browsing of Video Sequences," Proceedings of ACM International Conference on Multimedia, '94, October 1994, pages 1-7.
	BH	INTILLE, et al., "Visual Tracking Using Closed-Worlds," M.I.T. Media Laboratory Perceptual Computing Section Technical Report No. 294, November 1994, pages 1-18.
	BI	DIMITROVA, et al., "Motion Recovery for Video Content Classification," ACM Transactions on Information Systems, Vol. 13, No. 4, October 1995, pages 408-439.
	BJ	SATAH, et al., "Name It: Association of Face and Name on Video," Carnegie Mellon University, December 20, 1996, pages 1-17, CMU-CS-96-205, Pittsburgh, PA.
	BK	PICARD, R.W., "A Society of Models for Video and Image Libraries," IBM Systems Journal, Vol. 35, Nos. 3 & 4, 1996, pages 292-312.
	BL	HUANG, et al., "Video Summarization Using Hidden Markov Model," IEEE 2001, pages 473-477.
	BM	LAMBROU, et al., "Classification of Audio Signals Using Statistical Features on Time and Wavelet Transform Domains," IEEE 1998, pages 3621-3624.
T.Z.	BN	CHAN, et al., "Real-Time Lip Tracking and Bimodal Continuous Speech Recognition," Department of Electrical and Computer Engineering, Coordinated Science Laboratory and Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana, at least as one year prior to filing date, pages 1-6.

Examiner Signature		Date Considered	1/9/06
--------------------	---	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

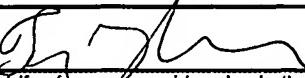


				Complete if Known	
				Application Number	10/058,684
				Filing Date	January 28, 2002
				First Named Inventor	Baoxin Li
				Art Unit	3711
				Examiner Name	TBD
Sheet		of		Attorney Docket Number	7146.0125

U. S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
T.Z.		US-4,253,108	02-24-1981	Engel	_____
		US-4,298,884	11-03-1981	Reneau	_____
		US-5,452,016	09-19-1995	Ohara, et al.	_____
		US-5,521,841	05-28-1996	Arman, et al.	_____
		US-5,635,982	06-03-1997	Zhang, et al.	_____
		US-5,654,769	08-05-1997	Ohara, et al.	_____
		US-5,778,108	07-07-1998	Coleman, Jr.	_____
		US-5,920,360	07-06-1999	Coleman, Jr.	_____
		US-5,923,365	07-13-1999	Tamir, et al.	_____
		US-5,959,681	09-28-1999	Cho	_____
		US-5,959,697	09-28-1999	Coleman, Jr.	_____
		US-5,990,980	11-23-1999	Golin	_____
		US-6,055,018	04-25-2000	Swan	_____
		US-6,100,941	08-2000	Dimitrova, et al.	_____
		US-6,144,375	11-07-2000	Jain, et al.	_____
		US-6,219,837	04-17-2001	Yeo, et al.	_____
		US-6,342,904	01-29-2002	Vasudevan, et al.	_____
		US-6,418,168	07-09-2002	Narita	_____
		US-6,549,643	04-15-2003	Toklu, et al.	_____
		US-6,556,767	04-29-2003	Okayama, et al.	_____
		US-6,678,635	01-13-2004	Torinkere, et al.	_____
		US-6,724,933	04-2004	Lin et al.	_____
		US-2004 0125124	07-01-2004	Kim, et al.	_____
		US-6,774,917	08-10-2004	Foote, et al.	_____
T.Z.		US-6,970,510	11-2005	Wee, et al.	_____

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
T.Z.		SUNGHOON CHOI, YONGDUEK SEO, HYUNWOO KIM, and KI-SANG HONG, "Where are the ball and players?: Soccer Game Analysis with Color-based Tracking and Image Mosaic," Dept. of EE, Pohang University of Science and Technology, Republic of Korea, pp. 1-15.	
T.Z.		VIKRANT KOBLA, DANIEL DeMENTHON, and DAVID DOERMANN, "Identifying Sports Videos Using Replay, Text, and Camera Motion Features," University of Maryland, Laboratory for Language and Media Processing; at least one year prior to filing date; 12 pages.	
T.Z.		RICHARD W. CONNERS and CHARLES A. HARLOW, "A Theoretical Comparison of Texture Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-2, No. 3, May 1980, pp.204-222.	<input type="checkbox"/>

T-2	S. E. LEVINSON, L. R. RABINER, and M. M. SONDHI, "An Introduction to the Application of the Theory of Probabilistic Functions of a Markov Process to Automatic Speech Recognition," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 62, No. 4, April 1983, pp. 1035-1074.	
	STEPHEN S. INTILLE, "Tracking Using a Local Closed-World Assumption: Tracking in the Football Domain," M.I.T. Media Lab Perceptual Computing Group Technical Report No. 296, pp. 1-62, Submitted to the Program in Media Arts and Sciences, School of Architecture and Planning on August 5, 1994.	
	NOBORU BABGUCHI, YOSHIHIKO KAWAI, YUKINOBU YASUGI, and TADAHIRO KITAHASHI, "Linking Live and Replay Scenes in Broadcasted Sports Video," Proceedings of ACM Multimedia 2000 Workshop on Multimedia Information Retrieval (MIR2000), pp. 205-208, November 2000.	
	LEXING XIE, "Segmentation and Event Detection in Soccer Audio," EE 6820 Project, Soccer Audio, Columbia University, May 15, 2001, pp. 1-9.	
	PENG XU, CHIH-FU CHANG, AJAY DIVAKARAN, ANTHONY VETRO, and HUIFANG SUN, "Algorithms and System for High-Level Structure Analysis and Event Detection in Soccer Video," Columbia University, ADVENT - Technical Report #111, June 2001.	
	BAOXIN LI and M. IBRAHIM SEZAN, "Event Detection and Summarization in sports Video," to be presented in IEEE Workshop on Content-Based Access of Image and Video Libraries (Joint with CUPR), Kauai, Hawaii, December 2001.	
	HAO PAN, BAOXIN LI, and M. IBRAHIM SEZAN, "Automatic Detection of Replay Segments in Broadcast Sports Programs by Detection of Logos in Scene Transitions," IEEE ICASSP 2002, pp. 3385-3388.	
	LEXING XIE and SHIH-FU CHANG, "Structure Analysis of Soccer Video with Hidden Markov Models," ICASSP, 2002.	
T-2	RICCARDO LEONARDI and PERANGELO MAGLIORATI, "Semantic Indexing of Multimedia Documents," IEEE 2002 (April – June 2002), pp. 44-51.	

Examiner Signature		Date Considered	6/27/06
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or-not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.